

Regional HIV/AIDS Epidemiologic Profile of Western HSR, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Western HSR, Massachusetts

	N	%
People Living with HIV/AIDS	2,030	58%
People Reported with HIV or AIDS who are Deceased	1,470	42%
Total Number of People Reported with HIV Infection or AIDS	3,500	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Western HSR, Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Western HSR, MA	15 per 100,000	121
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Western HSR, MA	247 per 100,000	2,030
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Western HSR, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	1,457	57	192
2000	1,552	60	155
2001	1,645	45	138
2002	1,709	52	116
2003	1,773	58	122
2004	1,869	52	148
2005	1,937	48	116
2006	1,990	47	100

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Western HSR, Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	236	65%	1259	62%
Female	128	35%	771	38%
Place of Birth:	N	%	N	%
US	231	63%	1,412	70%
Puerto Rico/US Dependency ²	96	26%	529	26%
Non-US	37	10%	89	4%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	99	27%	595	29%
Black (non-Hispanic)	75	21%	385	19%
Hispanic	182	50%	1,026	51%
Other/Undetermined ³	8	2%	24	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	86	24%	437	22%
Injection Drug Use (IDU)	93	26%	670	33%
MSM/IDU	6	2%	67	3%
Heterosexual Sex	58	16%	383	19%
Other	3	1%	64	3%
Total Undetermined	118	32%	409	20%
• Presumed Heterosexual Sex ⁴	80	22%	297	15%
• Undetermined ⁵	38	10%	112	6%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	3	1%	10	<1%
13 to 19	10	3%	36	2%
20 to 24	13	4%	32	2%
25 to 29	33	9%	83	4%
30 to 34	40	11%	126	6%
35 to 39	77	21%	266	13%
40 to 44	75	21%	449	22%
45 to 49	53	15%	437	22%
50 to 54	29	8%	299	15%
55 to 59	14	4%	145	7%
60+	17	5%	147	7%
Total	364	100%	2,030	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Western HSR, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	436	35%	159	21%
Black Non-Hispanic	219	17%	166	22%
Hispanic	590	47%	436	57%
Other/Undetermined ¹	14	1%	10	1%
Total	1,259	100%	771	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Western HSR, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	437	35%	N/A	N/A
Injection drug use (IDU)	447	36%	223	29%
MSM/IDU	67	5%	N/A	N/A
Heterosexual sex	86	7%	297	39%
Other	36	3%	28	4%
Total Undetermined	186	15%	223	29%
• Presumed heterosexual sex ¹	117	9%	180	23%
• Undetermined ²	69	5%	43	6%
Total	1,259	100%	771	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Western HSR, Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	1,619	68%	750	32%	2,369
1999	120	63%	72	38%	192
2000	105	68%	50	32%	155
2001	92	67%	46	33%	138
2002	78	67%	38	33%	116
2003	79	65%	43	35%	122
2004	92	62%	56	38%	148
2005	77	66%	39	34%	116
2006 ²	67	67%	33	33%	100

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Western HSR, Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	866	37%	498	21%	997	42%	8	<1%	2,369
1999	56	29%	36	19%	97	51%	3	2%	192
2000	37	24%	37	24%	78	50%	3	2%	155
2001	47	34%	21	15%	69	50%	1	1%	138
2002	36	31%	25	22%	53	46%	2	2%	116
2003	33	27%	24	20%	63	52%	2	2%	122
2004	35	24%	36	24%	74	50%	3	2%	148
2005	29	25%	22	19%	61	53%	4	3%	116
2006 ³	35	35%	17	17%	47	47%	1	1%	100

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Western HSR, Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	1,687	71%	629	27%	53	2%	2,369
1999	134	70%	55	29%	3	2%	192
2000	114	74%	34	22%	7	5%	155
2001	95	69%	37	27%	6	4%	138
2002	78	67%	26	22%	12	10%	116
2003	90	74%	26	21%	6	5%	122
2004	91	61%	40	27%	17	11%	148
2005	72	62%	33	28%	11	9%	116
2006 ³	68	68%	23	23%	9	9%	100

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Western HSR, Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	530	22%	1,087	46%	97	4%	354	15%	91	4%	132	6%	78	3%	2,369
1999	37	19%	67	35%	7	4%	40	21%	4	2%	31	16%	6	3%	192
2000	33	21%	50	32%	7	5%	29	19%	2	1%	28	18%	6	4%	155
2001	36	26%	52	38%	2	1%	23	17%	0	0%	17	12%	8	6%	138
2002	27	23%	34	29%	3	3%	25	22%	1	1%	20	17%	6	5%	116
2003	30	25%	25	20%	7	6%	19	16%	3	2%	25	20%	13	11%	122
2004	28	19%	36	24%	3	2%	27	18%	3	2%	36	24%	15	10%	148
2005	25	22%	37	32%	1	1%	17	15%	0	0%	22	19%	14	12%	116
2006 ⁴	33	33%	20	20%	2	2%	14	14%	0	0%	22	22%	9	9%	100

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Western HSR, Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	48	192	25%
2000	41	155	26%
2001	31	138	22%
2002	23	116	20%
2003	23	122	19%
2004	34	148	23%
2005	31	116	27%
2006	23	100	23%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Western HSR, Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	55	236	23%
Female	33	128	26%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	22	99	22%
Black (non-Hispanic)	25	75	33%
Hispanic	39	182	21%
Other/Undetermined ²	2	8	25%
Place of Birth:	N	N	%
US	55	231	24%
Puerto Rico/US Dependencies ³	20	96	21%
Non-US	13	37	35%
Total	88	364	24%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08